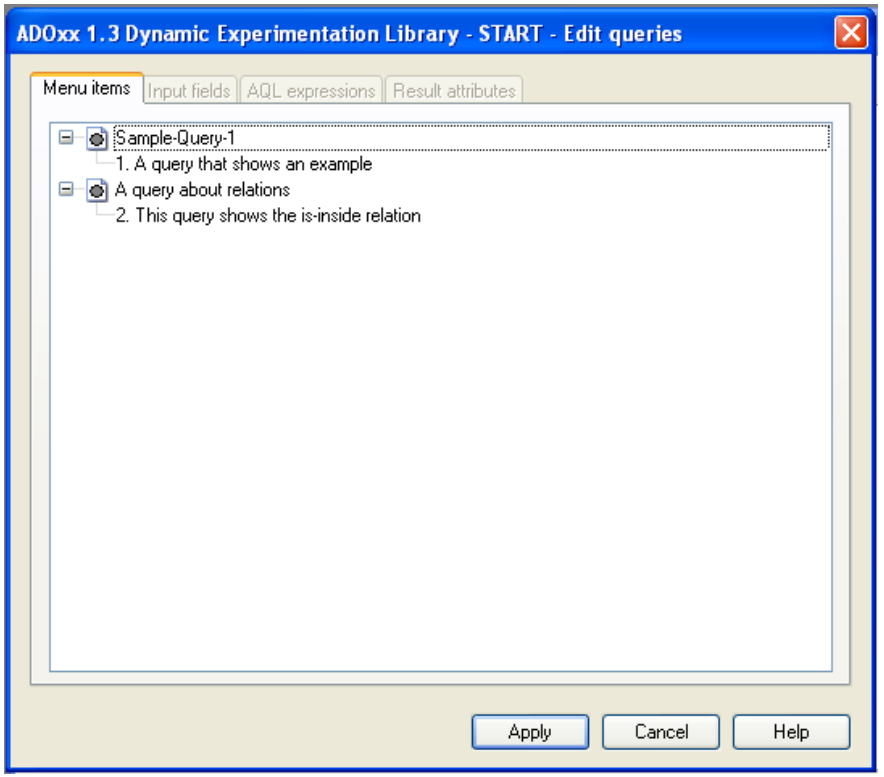
1. Define Menu Item

The creation of a new analysis query is defined through following steps:

- Create query
- Define input fields
- Define AQL-queries
- Define result attributes

For all of these steps there is a chapter in the dialog



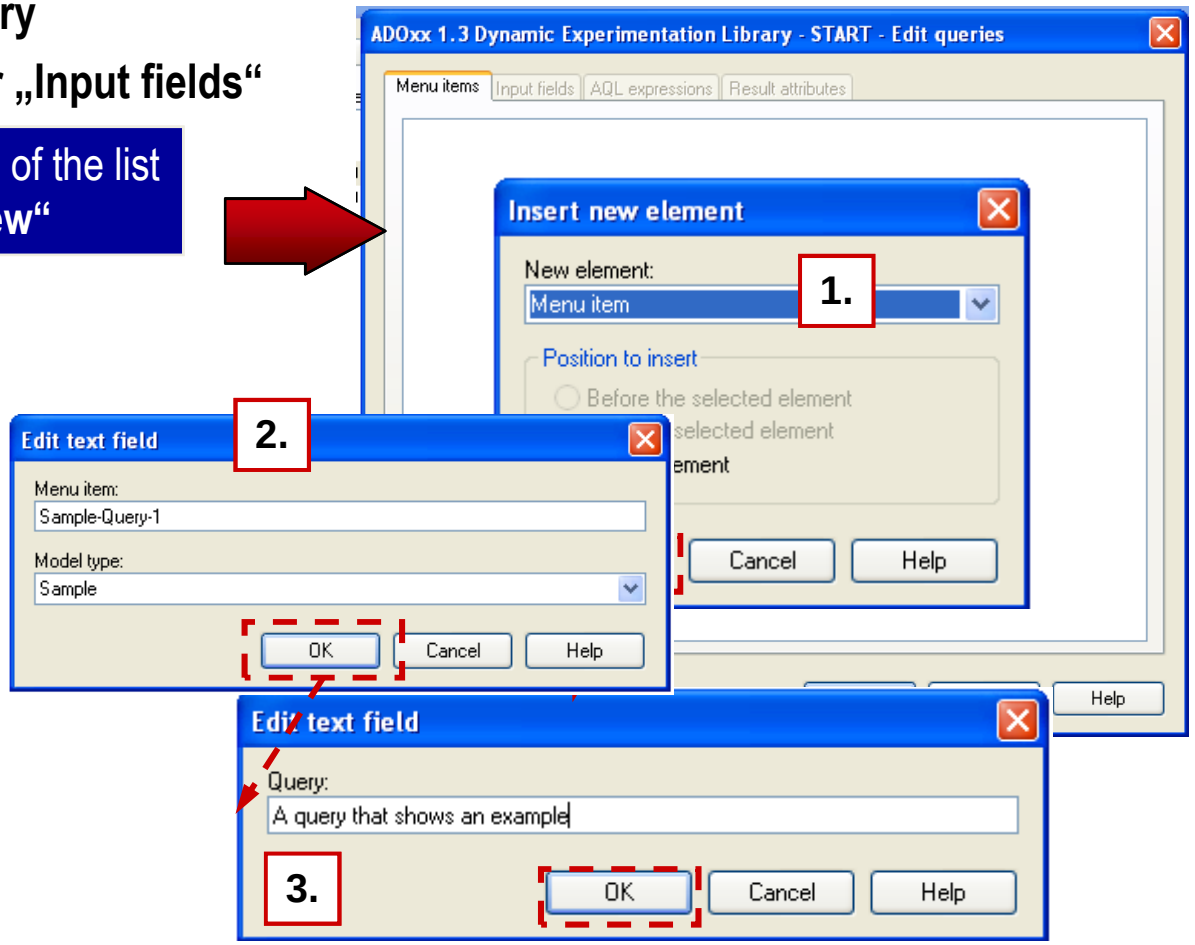
Note: Before creating a new predefined query, it is necessary to put it manually together and test it in the ADOxx-BPM-Toolkit with the „Query/reports“ function. By using this approach you get als the AQL code which is necessary in the later procedure.

Define Query Appearance

Mark the new query

Switch to Chapter „Input fields“

- **Context menu** of the list
- Menu item **„New“**



2. Define input fields

Each query consists of an individual set of parts:

Text

Input Field

Enumeration Field

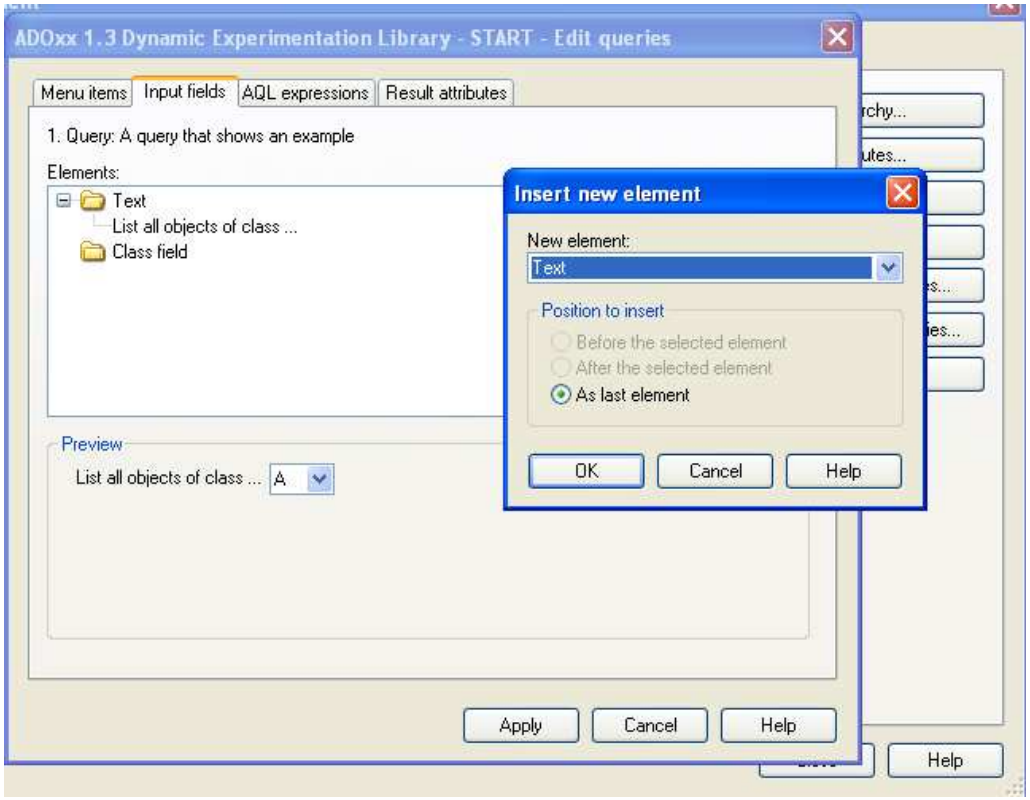
Attribute Value Field

Attribute Enumeration Field

Attribute Field

Class Field

Relation Field



Types of Input Fields

Following types of fields are available:

Input fields: For Attributes of type Text (**STRING, LONGSTRING**), time (**TIME**), date (**DATE**), date and time (**DATETIME**), integer (**INTEGER**) und double (**DOUBLE**).

Enumeration value field: For attributes of Type enumeration (**ENUMERATION**) und enumerationlist (**ENUMERATIONLIST**).

Attribute value field: For the takeover of attribute values from attributes of different classes.

Enumerated attribute field: For the takover of attribute values from enumerated attributes of different classes.

Attribute field: For choosing of attributes from a list of all attributes of all classes.

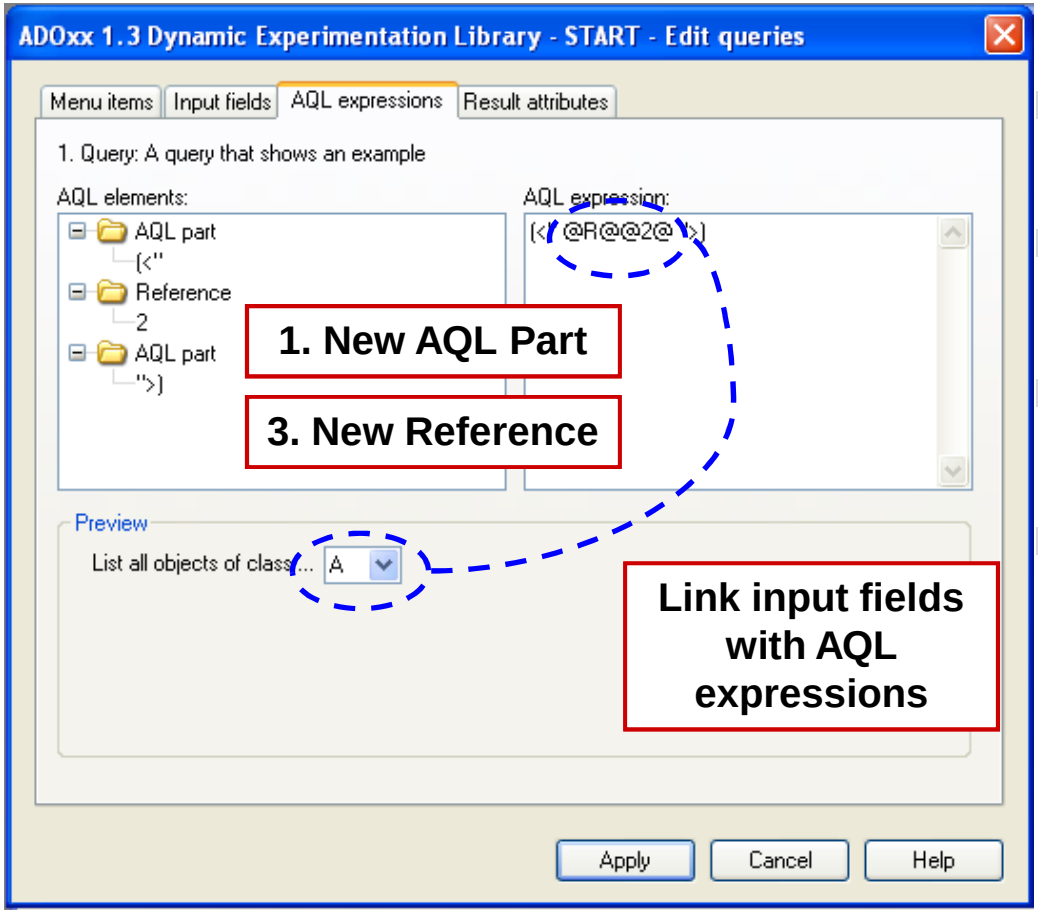
Class field: For choosing of a class from a list of all classes of the active modeltype.

3. Define AQL-Queries (1)

To make your query functional, it is necessary to deposit it as an AQL-query.

Switch to the chapter „AQL expressions“

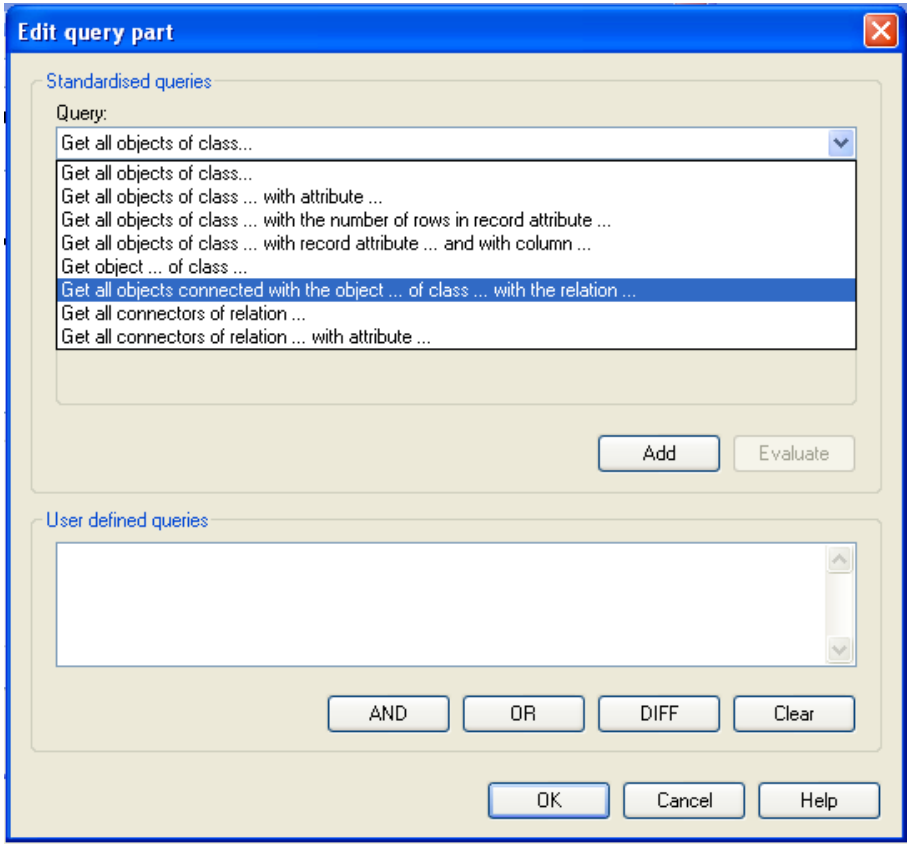
1. Choose Option „AQL Part“
2. Copy manually designed AQL statement
3. Add „References“ to link input fields with query
4. Follow proposal to place input fields into query statement



Define AQL-Queries (2)

Detail view on AQL part:

Either manually type in the statement or click on the query.

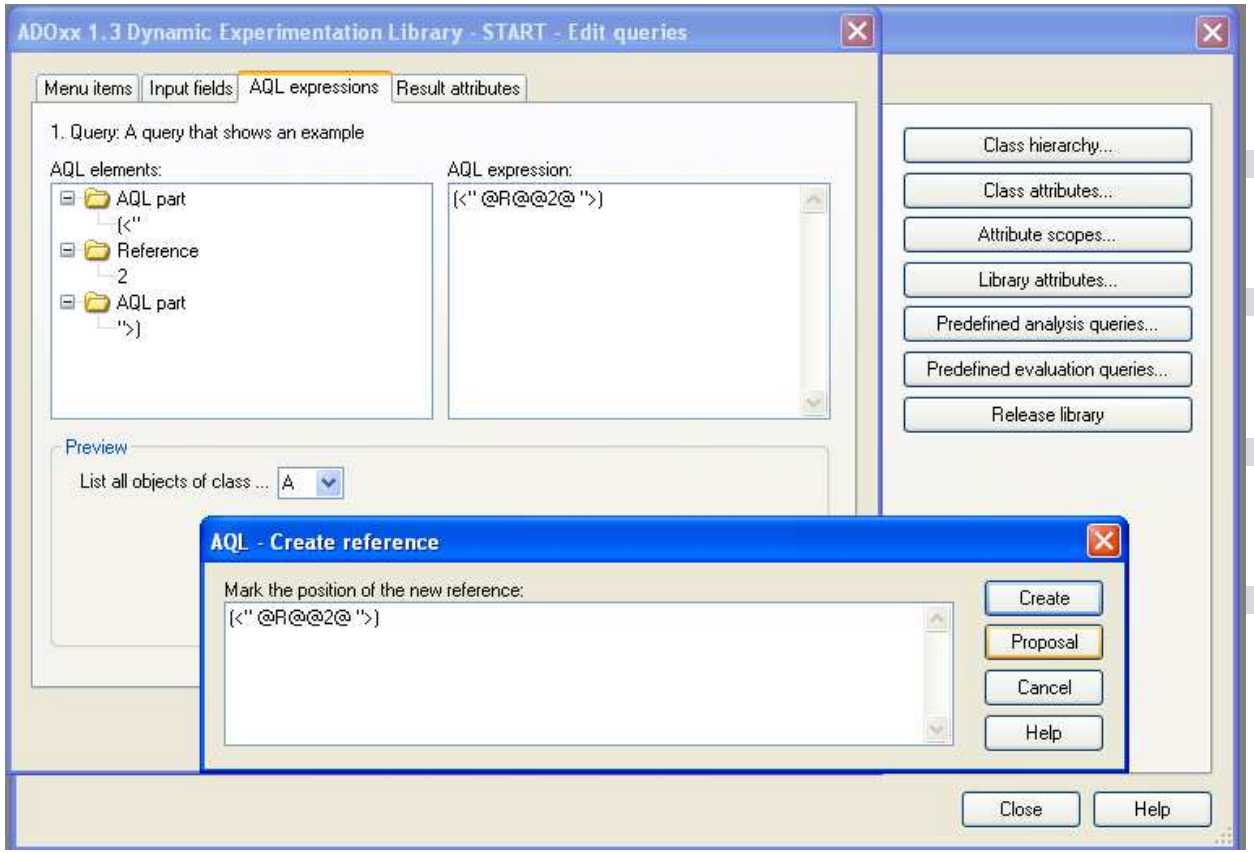


Note:
The shown AQL input support is from the construction same as the function „Query/reports“ in the ADOxx-BPM-Toolkit.

Define AQL-Queries (3)

In the next steps it is necessary to transform the query part.

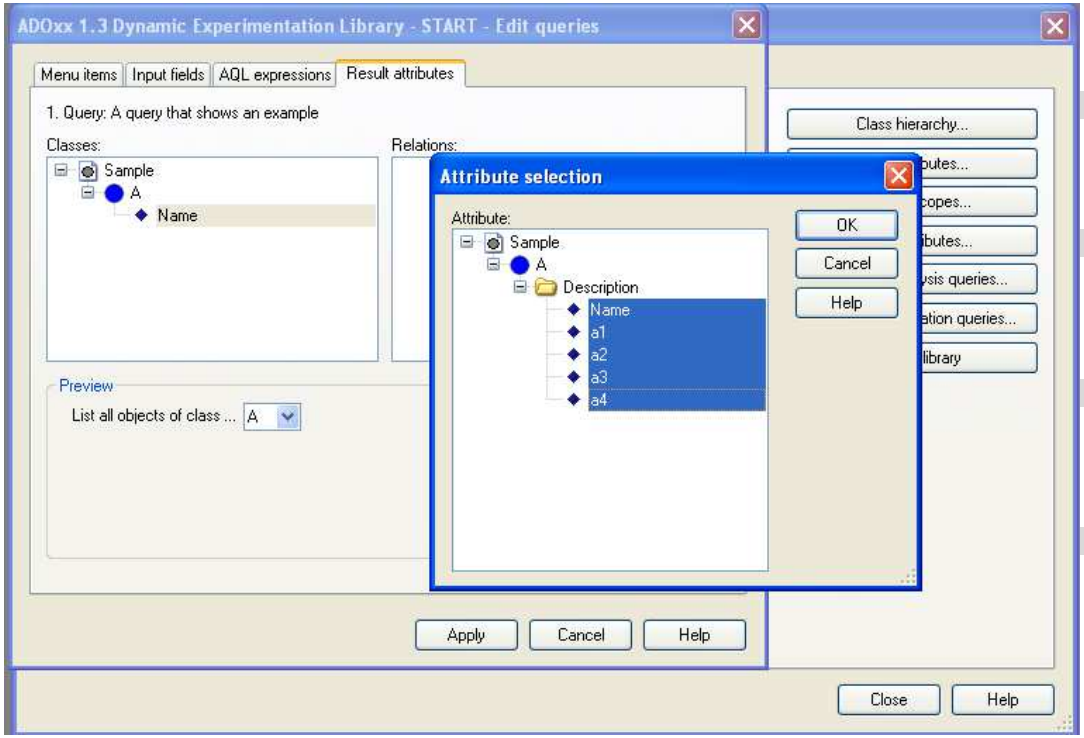
1. Contextmenu
   of the list entry „AQL part“
2. Menu point „New“



4. Result Attributes (1)

In the chapter „Result attribute“ it is specified which objects and attributes should be in the result representation.

1. Switch to chapter „Result attribtues“
2. Choose Option „Attribute“
3. Determine Position
4. Confirm



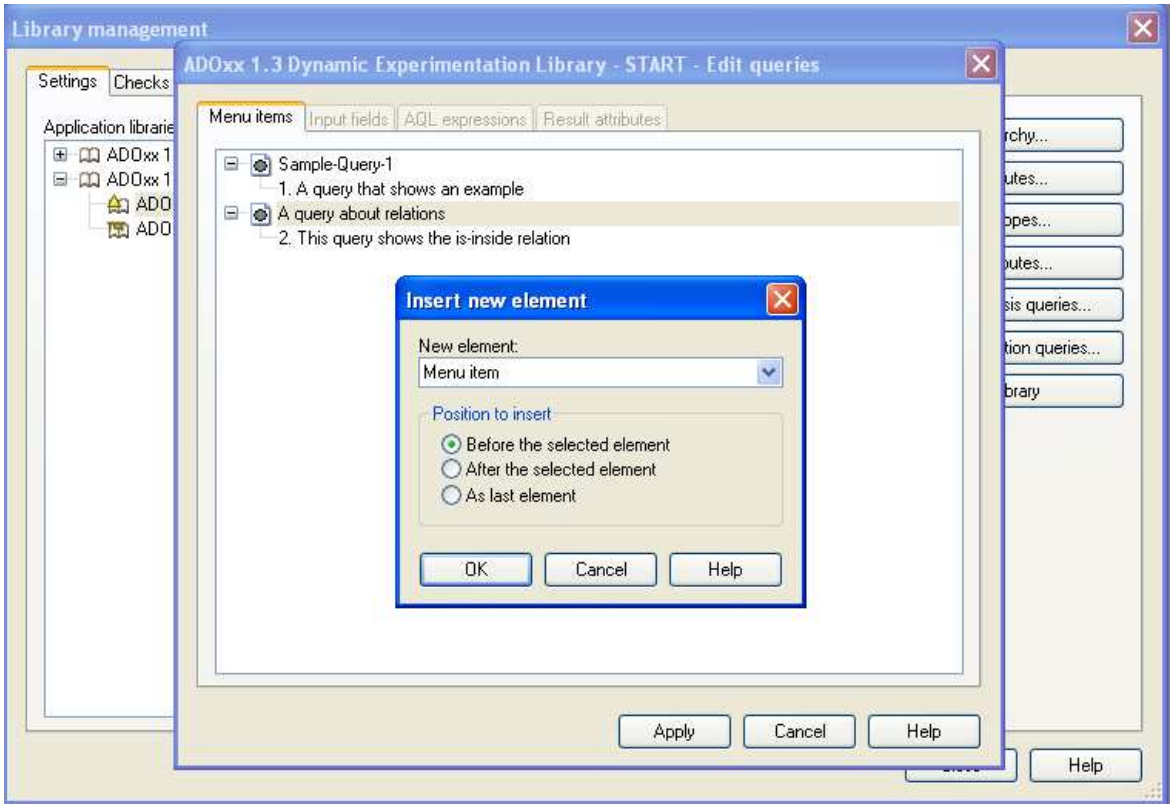
Contextmenu of the list „Classes“
Menu item **„New“**

New Menu Item

Besides the creation of queries, you can also create new menu items, in order to structure the queries.

In the Query-choose window select a querygroup

- Select option „Menu point“
- Determine position
- Confirm
- Input title
- Choose modeltype
- Confirm



↳ Contextmenu of shortlist
↳ Menu item **„New“**

New Menu Item – Details

When creating new menu items should be noted:

- every menu point is exactly **assigned to one modeltype**
- The menu items in the selection dialog correspond exactly to the ADOxx-based Toolkit
- After the creation of the menu item it must be added an query to it, because the menu item won‘t be saved.
- Through input of tilde (~) in the menu name the following word will be an accelerator (keyboard shortcut)